AMENDMENTS TO THE SPECIFICATION

In the Specification

Please substitute the following amended paragraph(s) and/or section(s) (deleted matter is shown by strikethrough and added matter is shown by underlining):

Page 11, lines 19-30:

A quantity of liquid will be suspended atop asperities 24 if the body forces (F) due to gravity acting on the liquid are less than surface forces (f) acting at the contact line with the asperities. Body forces (F) associated with gravity may be determined according to the following formula:

$$F = \rho\, gh, \qquad (5)$$

where ~~(p)~~ (ρ) is the density of the liquid, (g) is the acceleration due to gravity, and (h) is the depth of the liquid. Thus, for example, for a 10 meter column of water having an approximate density of 1000 kg/m^3, the body forces (F) would be:

Page 12, lines 20-26:

By equating F and f and solving for contact line density Λ, a critical contact line density parameter Λ_L may be determined for predicting ultraphobic properties in a surface:

$$\Lambda_L = \frac{-\rho g h}{\gamma \cos\left(\theta_{a,0} + \omega - 90^{\circ}\right)}, \qquad (8)$$

where (ρ) g is the density ~~(ρ)~~ of the liquid, (g) is the acceleration due to gravity, (h) is the depth of the liquid, the surface tension of the liquid (γ), ω is the rise angle of the side of the asperities